


Silver Nanowires Powder

Item #: 903404

Product:	Silver Nanowires Powder
Distributor/ supplier/ manufacturer:	Nanotech Energy, Inc. 12100 Wilshire BLVD suite 800 Los Angeles, CA 90025
Phone number:	1 (800) 995-5491

Hazards Identification

Hazard Identification:	<ul style="list-style-type: none"> -Skin irritation -Eye irritation -Specific Target Organ Toxicity - Repeated Exposure (eye) -Toxic to aquatic life with long lasting effects -Flammable 	
Hazard Statement(s)	<ul style="list-style-type: none"> -Induces skin irritation. -Induces serious eye irritation. 	
Precautionary Statement(s)	<ul style="list-style-type: none"> -Avoid release into the environment -Keep away from heat, sparks, open flames and hot surfaces. -Wash skin meticulously after handling. -Wear personal protective equipment -Skin Exposure: Wash thoroughly soap and water -Eye Exposure: Rinse carefully with water for 15 minutes. Remove contact lenses if present. -In case of skin irritation: Get medical advice. -In case of persistent eye irritation: Get medical advice. -Remove contaminated clothing and wash. -In case of fire: Use dry sand, dry chemical or alcohol-resistant foam. -Store in a cool and well-ventilated area. -Dispose of contents/container at an approved waste disposal plant. 	

Silver Nanowires Powder

Item #: 903404

Composition / Information on Ingredients

Formula: Ag
Molecular weight: 107.87 g/mol
CAS-No.: 7440-22-4

Component	Classification	Concentration
Silver	Aquatic Acute 1; Aquatic Chronic 1	≤ 100 %
Ethanol	Flam. Liq 2; Eye Irrit. 2A	≤ 1.0 %

First Aid Measures

First Aid:	<p>General advice Consult a physician.</p> <p>If ingested Do NOT induce vomiting. Rinse mouth with water. Do NOT administer anything orally to an unconscious person. Consult a physician.</p> <p>In case of eye exposure Rinse eyes thoroughly with copious amounts of water for at least 15 minutes. Consult a physician.</p> <p>In case of skin exposure Wash meticulously with soap and water. Consult a physician.</p> <p>If inhaled Move person to a well-ventilated location. Consult a physician.</p>
Effects of Exposure:	<p>Ingestion May cause nausea, vomiting and/or diarrhea.</p> <p>Eyes Moderately irritating to the eyes: redness, itching, irritation and watering.</p> <p>Skin May be irritating to skin. May cause allergic skin reactions in sensitive individuals.</p> <p>Inhalation None expected.</p>

Firefighting Measures

Extinguishing Media	<p>Means of extinction Use dry powder or dry sand.</p> <p>Special hazards arising from the substance or mixture Not determined</p> <p>Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary</p>
----------------------------	--

Silver Nanowires Powder

Item #: 903404

Accidental Release Measure

1	<p>Personal precautions, protective equipment, and emergency procedures Use personal protective equipment such as protective gloves, protective clothing and eye protection. Avoid vapor, mist or gas inhalation. Ensure sufficient ventilation. Remove any source of ignition.</p>
2	<p>Environmental precautions Prevent further leakage if area is secure. Do not allow product to enter drains.</p>
3	<p>Methods and materials for containment and cleaning up Contain spillage and collect with a towel. Dispose in appropriate container for disposal according to local regulations.</p>

Handling and Storage

1	<p>Precautions for safe handling Avoid skin/eye exposure. Avoid inhalation of vapor/mist. Keep away from sources of ignition - No smoking.</p>
2	<p>Conditions for safe storage Keep container upright and tightly closed in a dry and well-ventilated location. Open containers must be resealed and kept upright to prevent leakage. Store in a dark area and protect from sources of light. Recommended Temperature: 2-8 °C</p>

Exposure Controls/ Personal Protection

Ventilation:	Always provide adequate ventilation where this chemical/material is used.
Protective Gloves:	Neoprene, butyl, or nitrile rubber gloves
Eye Protection:	Safety glasses or goggles.
Skin Protection:	Suitable protective clothing.
Work/Hygiene Practices:	Avoid inhaling vapor. Avoid eye exposure. Wash hands after use.

Silver Nanowires Powder

Item #: 903404

Stability and Reactivity

Chemical Stability	Stable under recommended conditions.
Chemical Reactivity	Will not occur under normal temperatures and pressures.
Incompatibility:	Utilize chemical segregation.

Disposal Considerations

Waste from residues/unused products:	Follow waste disposal requirements for your country, state, or local authorities.
Contaminated packaging:	Follow procedure for residues and unused product above.
Contaminated water:	Do not dispose of rinse water containing product in a sanitary sewer system or stormwater drainage system.